

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 25/5/59 When handed in at Local Office 26/5/59 Port of Shewick
 No. in Survey held at Wivenhoe Date, First Survey 9/4/59 Last Survey 22/5/59
 Reg. Book. (No. of Visits 4)

on the Motor Barge "BLACKMARTIN C." Tons Gross 141 Net —
 Built at Wivenhoe By whom built Jas. V. Cook & Co. (Wivenhoe) Ltd. Yard No. 1186 When built 1959-5
 Owners Jas. V. Cook & Co. Ltd. Port belonging to Full.
 Installation fitted by Jas. V. Cook & Co. (Wivenhoe) Ltd. When fitted 1959-5

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. No Radar No

Plans, have they been submitted and approved Yes System of Distribution Two-wire Voltage of Lighting 110
 Heating 110 Power 110 D.C. or A.C., Lighting DC Power DC If A.C. state frequency —
 Prime Movers, has the governing been found as per Rule when full load is thrown on and off Yes Are turbine emergency governors fitted
 with a trip switch None Generators, are they compound wound Yes, and level compounded under working conditions Yes
 Are the generators arranged to run in parallel No Is the compound winding connected to the negative or positive pole Positive
 Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing None Have certificates of test for machines
 under 100 kw. been supplied and the results found as per Rule Yes Position of Generators One port & one starboard
in engine room
 is the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury and
 damage from water, steam and oil Yes Switchboards, where are main switchboards placed In engine room, port,
side aft.
 are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water,
 steam and oil Yes, what insulation is used for the panels Synthetic material "Synadanya" if of synthetic insulating
 material is it an Approved Type Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as
 per Rule — Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgear
 for each generator and arrangement of equaliser switches 100 A. double pole rotary switches.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit All double pole switches and fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 2
 ammeters 2 voltmeters no synchronising devices. For compound machines in parallel are the ammeters and reverse current
 protection devices connected on the pole opposite to the equaliser connection — Earth Testing, state means provided lamps
on switchboard Preference Tripping, state if provided not provided, and tested —
 Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes
 make of fuses "Artic" are all fuses labelled Yes If circuit breakers are provided for the generators, at what
 overload do they operate not provided, and at what current do the reverse current protective
 devices operate not provided Cables, are they insulated and protected as per Rule Yes
 if otherwise than as per Rule are they of an Approved Type —, state maximum fall of pressure between bus bars and any point
 under maximum load nil volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends none
 Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical
 damage Yes, are any cables laid under machines or floorplates No, if so, are they adequately protected — State
 type of cables (if in conduit this should also be stated) in machinery spaces V.I.R. in conduit throughout.
 and laundries — State how the cables are supported or protected in conduit, secured by
brackets, screws and clips.

Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight
 bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes
 effectively bushed Yes Refrigerated chambers, are the cables and fittings as per Rule — have
 Have refrigeration fan motors been constructed under survey — and test certificates supplied —
 Are the motors accessible for maintenance at all times —

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The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.
All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.
The foregoing is a correct description.

For and on behalf of
JAMES W. COOK & Co. (Wivenhoe) LTD.

Charles

Electrical Contractors.
GENERAL MANAGER

Date *30th May 1959*

COMPASSES.

Have the compasses been adjusted under working conditions.....

For and on behalf of
JAMES W. COOK & Co. (Wivenhoe) LTD.

Charles
GENERAL MANAGER

Builder's Signature.

Date.....

Have the foregoing descriptions and schedules been verified and found correct.....

Yes

Is this installation a duplicate of a previous case.....

No

If so, state name of vessel.....

Plans. Are approved plans forwarded herewith.....

Yes

If not, state date of approval.....

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith.....

Yes

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

This electrical installation has been carried out in accordance with the plans approved and the requirements of the Society's Rules.

The workmanship is good throughout and insulation tests on all circuits found to be within Rule requirements.

The complete installation has been tested under working conditions when the generators, governors and switchboards were found in order and operated satisfactorily.

In my opinion this installation is eligible for inclusion in the vessel's class + LMC.

Total Capacity of Generators..... *15* Kilowatts.

The amount of Fee £ *15* : — :

When applied for,

15 JUN 1959

When received,

Travelling Expenses (if any) £ *3* : — :

19.....

Spilham
Surveyor to Lloyd's Register of Shipping.

Committee's Minute.....

FRIDAY 24 JUL 1959

Assigned.....

See Rpt. 1.

5m. 6.56 — Transfer. (MADE AND PRINTED IN ENGLAND)
(The Surveyors are requested not to write on or below the space for Committee Minute.)

+ Bus
19.6.59



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